

Abstract of the Invention

A screen system used in fluid channels has emergency discharge doors. The emergency discharge doors are located within the debris plate of the bar screen system and can be opened, as needed, to prevent fluid from overflowing should the grid screen become obstructed. The emergency discharge doors are located within rectangular openings in the debris plate in which the doors sit flush with the debris plate when closed. The emergency discharge doors can be opened manually, when needed, with handles that are preferably located at the top of the screen system. Lifting the handles releases the locking pins that keep the doors in place, allowing the doors to open freely in response to the fluid pressure on the upstream side of the screen system.